Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/13/2017 12:29 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124263	-1	1.61	124114	1.54
Blue	F	SSC	125000	124621	-1	3.17	124903	2.94
Blue	E	FITC	21625	21398	-2	2.39	953	9.90
Blue	D	PE	26832	26510	-2	1.98	951	9.71
Blue	B	PerCP-Cy5-5	48027	47650	-1	3.37	1364	16.43
Blue	A	PE-Cy7	40971	40334	-2	5.11	623	34.38
Red	C	APC	49746	49506	-1	2.82	2840	9.45
Red	A	APC-Cy7	53615	53195	-1	2.87	1105	10.92
Violet	B	V450	14488	14097	-3	4.97	674	9.34
Violet	A	V500	55123	53754	-3	4.76	2386	7.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18878	4.74	602	4	N/A	N/A	Pass
Blue	F	SSC	62104	1.48	533	-1	N/A	N/A	Pass
Blue	E	FITC	107	38.44	533	-3	0.0226	214	Pass
Blue	D	PE	209	28.15	528	-3	0.1593	211	Pass
Blue	B	PerCP-Cy5-5	213	43.28	624	-5	0.0108	80	Pass
Blue	A	PE-Cy7	70	111.89	673	-8	0.0127	12	Pass
Red	C	APC	333	27.00	588	-6	0.0204	31	Pass
Red	A	APC-Cy7	122	40.18	571	-9	0.0061	2051	Pass
Violet	B	V450	82	41.27	468	-3	0.0484	1889	Pass
Violet	A	V500	173	23.98	493	-3	0.0143	656	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.55	-31.11	0.85
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	16.98	13.27 - 19.91	N/A	N/A	31.20	31.79	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10354

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments